



Florida Department of
TRANSPORTATION



WELCOME!



Design Training Expo Team

- Ellen Sliger
- Jacqui Morris
- Mike Robertson
- Ashleigh Smith
- Bob Thorburn
- Jason Roberts
- Brian Martin
- Cindy Schmetzer
- Shawn Trotman
- Linda Beverly
- Jennifer Weeks
- Dean Perkins
- Dianne Perkins
- Brad Bradley
- Ben Lewis
- Mary Jane Hayden
- Derwood Sheppard
- George Massey
- Justin Evers
- Patrick Overton

guidebook

FDOT Design Training Expo 2016 has gone mobile!

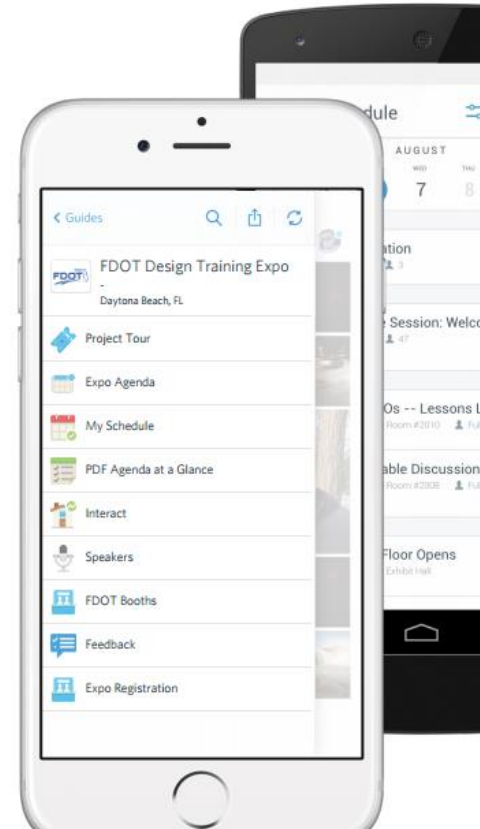
Get the app on your mobile device now, for free.

<https://guidebook.com/g/fdot2016/>

How to download



- 1 Visit the above URL on your device
- 2 Tap the "download" button to get the free Guidebook app
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FDOT Design Training Expo 2016





Project Tour



Expo Agenda



My Schedule



PDF Agenda at a Glance



Speakers



FDOT Booths



Feedback



Expo Registration



Parking information



Hotel Information



Things to do



Session Moderators



Local Weather



Photo Album



Contacts



Inbox



Maps



To-do List



General Info



Schedule



Mon, Jun 13th 2016

Search the FDOT Design Training Expo 2016 Schedule

10:00 AM

General Session

10:00 AM - 12:00 PM

12:00 PM

Lunch

12:00 PM - 1:00 PM

1:00 PM

2D Roundabout Design with Open Roads Technology

1:00 PM - 1:50 PM

3D Radar Tomography

1:00 PM - 1:50 PM

Access Management and Complete Streets

1:00 PM - 1:50 PM

Civil 3D for FDOT Project Managers

1:00 PM - 1:50 PM

Errors and Omissions

1:00 PM - 1:50 PM

Lighting Design Updates / LED Lighting

1:00 PM - 1:50 PM

Plans Reviewer Training

1:00 PM - 1:50 PM

Shop Drawings and Other Construction Submittals

1:00 PM - 1:50 PM

2:00 PM

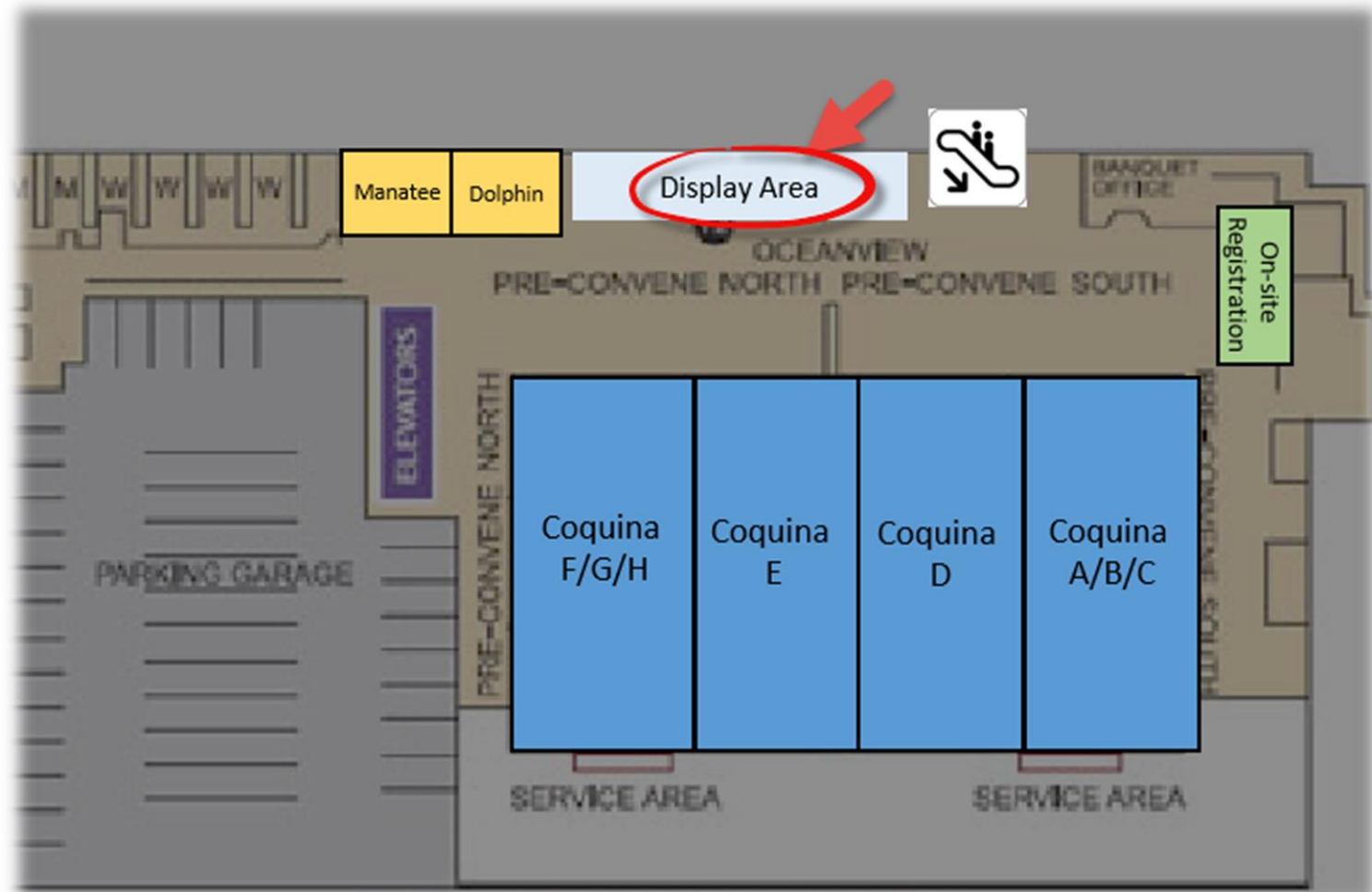
3D Roundabout Modeling

2:00 PM - 2:50 PM

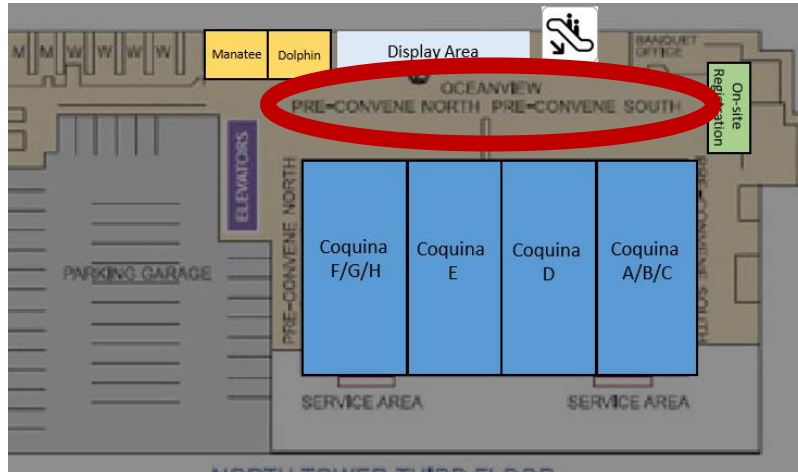
ADA, Resurfacing and Curb Ramps

2:00 PM - 2:50 PM

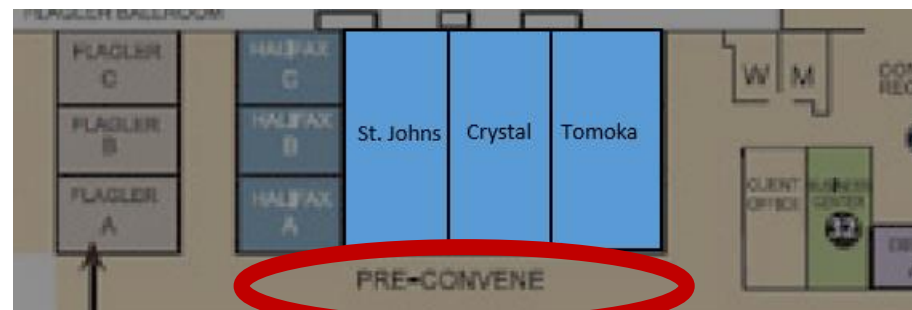
Display Area



Networking Breaks



Tuesday & Wednesday
at 9:50 AM in the
Pre-convention areas



Credits

- Professional Engineers and Landscape Architects
- 1 PDH for each session you attend/present
- Forms are available at the registration desk
 - Must be registered!
 - Must be turned in before you leave!

FDOT Design Expo 2016 PDH & Training Credit Form

Print Name: _____

Email Address: _____

To receive PDH Credits, fill in the bubbles next to the sessions which you attend and sign the form.
 This form must be turned in at the Registration Desk before leaving the Expo.

I pledge that I attended the indicated sessions and should receive the corresponding credit for Professional Development Hours (PDHs)

Signature: _____ Date: ____/____/____

Total PDH
Hours Attended

Please completely fill in appropriate bubbles with pencil or black pen

License Type

☐ Professional Engineer

☐ Landscape Architect

License Number

0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

People First ID (state employees only)

This will be used to record your training information in the FDOT Learning Management System

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
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Monday June 13

- Monday 1:00
- ☐ Access Mgmt & Complete Streets
 - ☐ Plans Reviewer Training
 - ☐ Errors & Omissions
 - ☐ Shop Drawings & Other Const. Submittals
 - ☐ Lighting Design Updates/LED Lighting
 - ☐ 2D Roundabout Design w/ Open Roads
 - ☐ 3D Radar Tomography
 - ☐ Civil 3D for Project Managers

- Monday 2:00
- ☐ Buffered Bike Facilities
 - ☐ ADA, Resurfacing & Curb Ramps
 - ☐ The New Guardrail Drawings
 - ☐ Corrosion Resistant Piling/ Precast Bent Cap Stds.
 - ☐ Project Suite Enterprise/UPC Module
 - ☐ 3D Roundabout Modeling
 - ☐ Aerials, Maps & Computers - OH MY!
 - ☐ Civil 3D & Collaboration Tools

- Monday 3:00
- ☐ Changes to FHWA Controlling Elements
 - ☐ Quality Assurance
 - ☐ The New Guardrail ISD & Design Tools
 - ☐ BOE Updates & Summary Boxes
 - ☐ Freight & Passenger Rail Enhancement
 - ☐ Detailing Core Areas in SS4
 - ☐ CADD to GIS Interoperability
 - ☐ Civil 3D Dynamic Civil Blocks for FDOT

- Monday 4:00
- ☐ Complete Streets the Road Ahead
 - ☐ Florida Greenbook
 - ☐ Selection of Enhanced Pedestrian Treatments
 - ☐ Essentials of Slide-In Bridge Construction
 - ☐ From Baselines to Outcomes: Quality Data
 - ☐ Driveway Modeling Options in SS4
 - ☐ FDOT Streamlines ArcGIS for Desktop License
 - ☐ Keysheets & Other Misc. Sheet Creation in C3D

THIS FORM MUST BE TURNED IN AT THE REGISTRATION DESK BEFORE LEAVING THE EXPO

Doc Bale's Restaurant Specials

\$11 per person

MONDAY - BBQ Lunch

- Toss salad w/ assorted topping and dressings
- Cole slaw
- Baked lemon pepper chicken
- Pulled pork sandwich
- Corn on the cob
- Baked beans
- Pecan pie

Tuesday - Italian Lunch

- Caesar salad
- Pasta salad
- Spaghetti with meat sauce
- Chicken Marsala
- Steamed broccoli
- Roasted potatoes
- Tiramisu

Wednesday - Country Lunch

- Toss salad with assorted toppings and dressings
- Potatoes salad
- Meat loaf
- Fried catfish
- Green bean casserole
- Mashed potatoes
- Apple pie

Session
Full

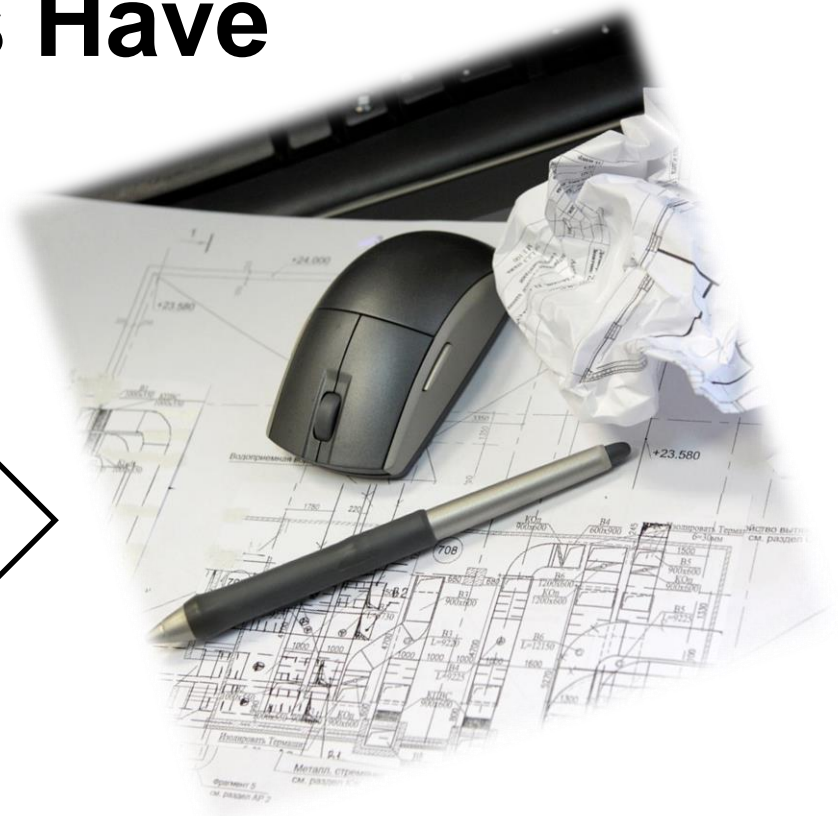
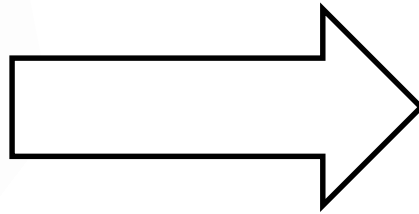
Design Expo 2017 – June 5-7, 2017

Caribe Royale in Orlando



Engineering has not changed

The Tools Have

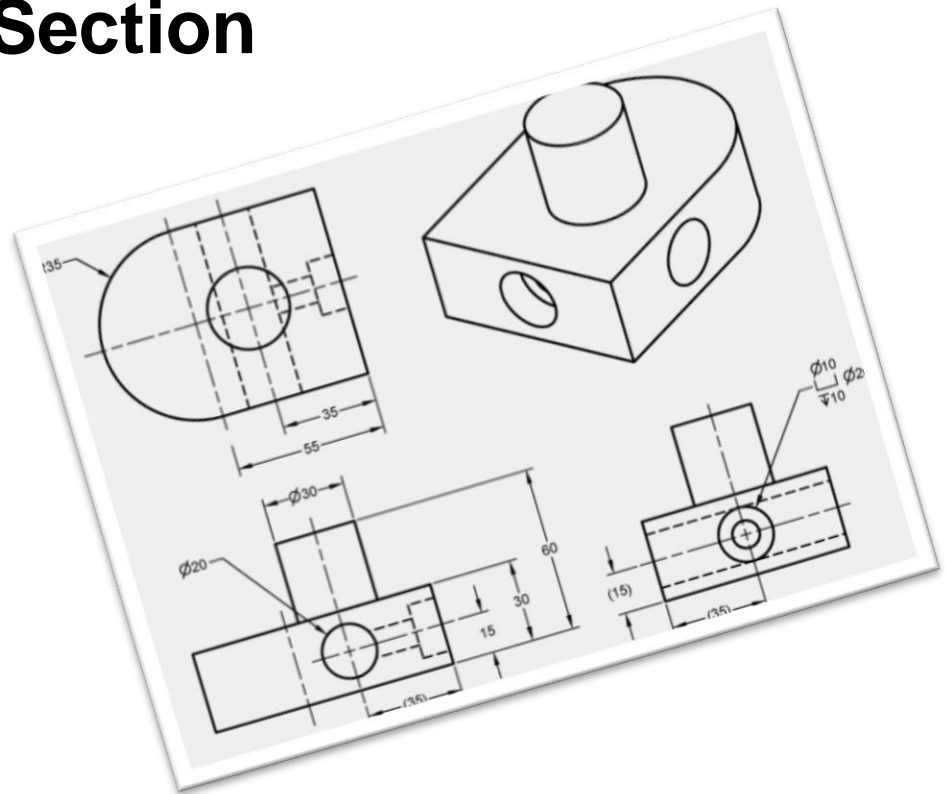


New Approach – Same Product

Yesterday

Plan + Profile + Cross Section

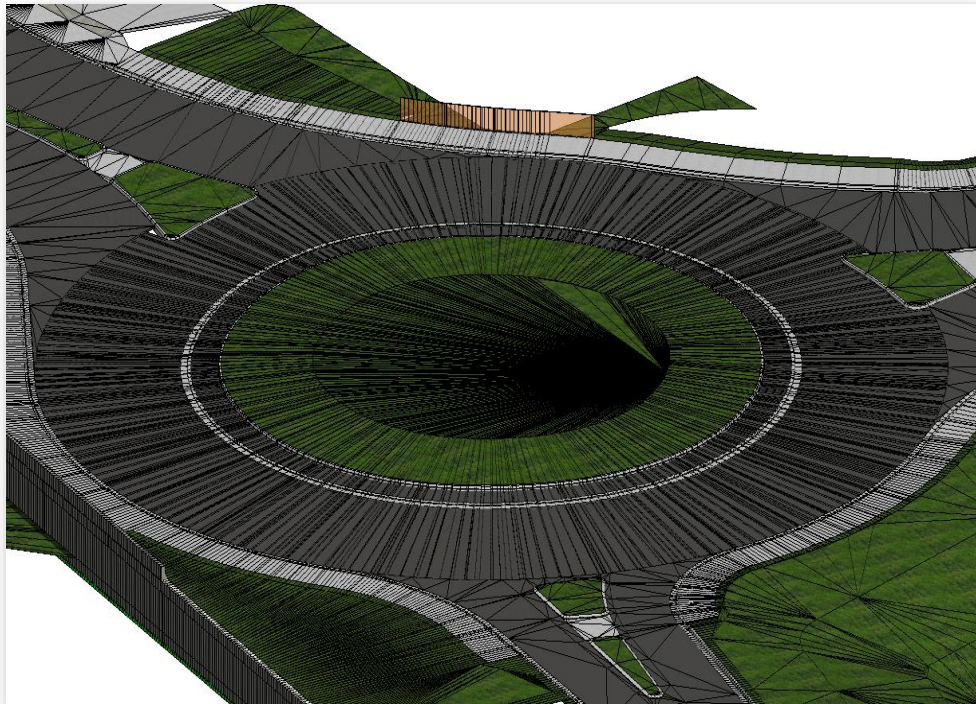
= 3D Product



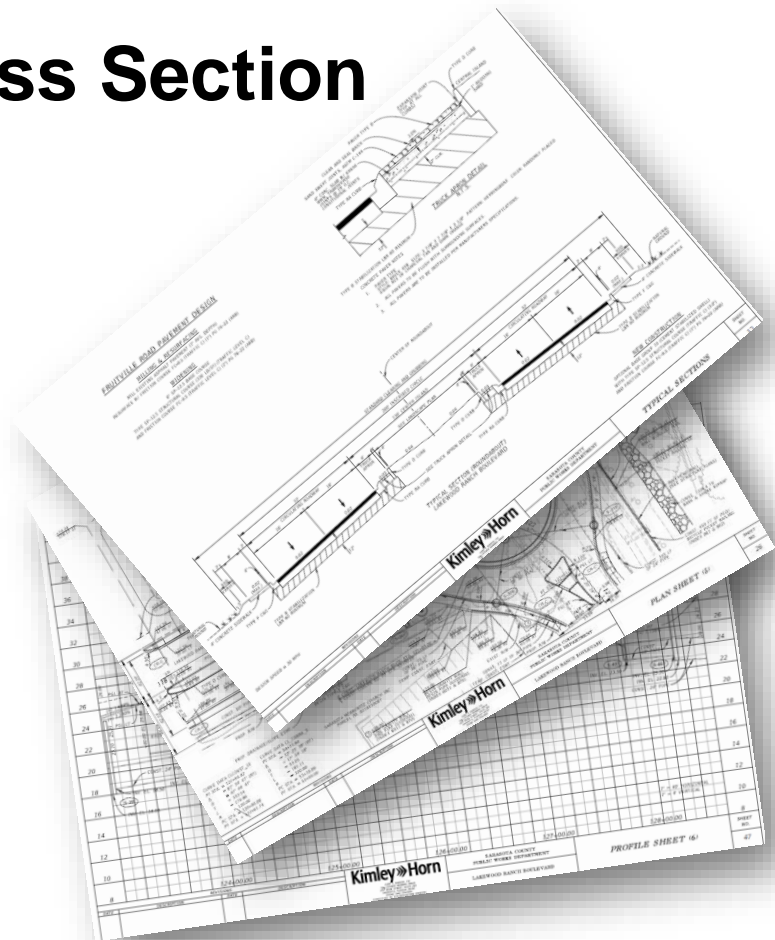
New Approach – Same Product

Today

3D Model = Plan, Profile, Cross Section



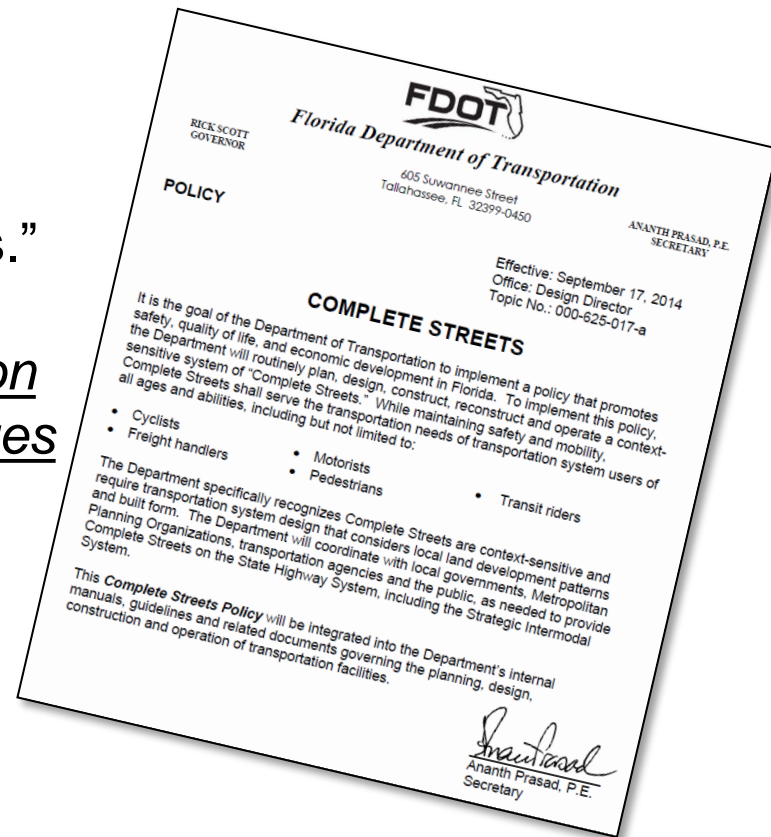
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Complete Streets Policy

It is the goal of the Department of Transportation to implement a policy that promotes safety, quality of life, and economic development in Florida. To implement this policy, the Department will routinely plan, design, construct, reconstruct and operate a context sensitive system of “Complete Streets.” While maintaining safety and mobility, Complete Streets shall serve the transportation needs of transportation system users of all ages and abilities, including but not limited to:

- Cyclists
- Freight handlers
- Motorists
- Pedestrians
- Transit riders



ITE/CNU Context Zones

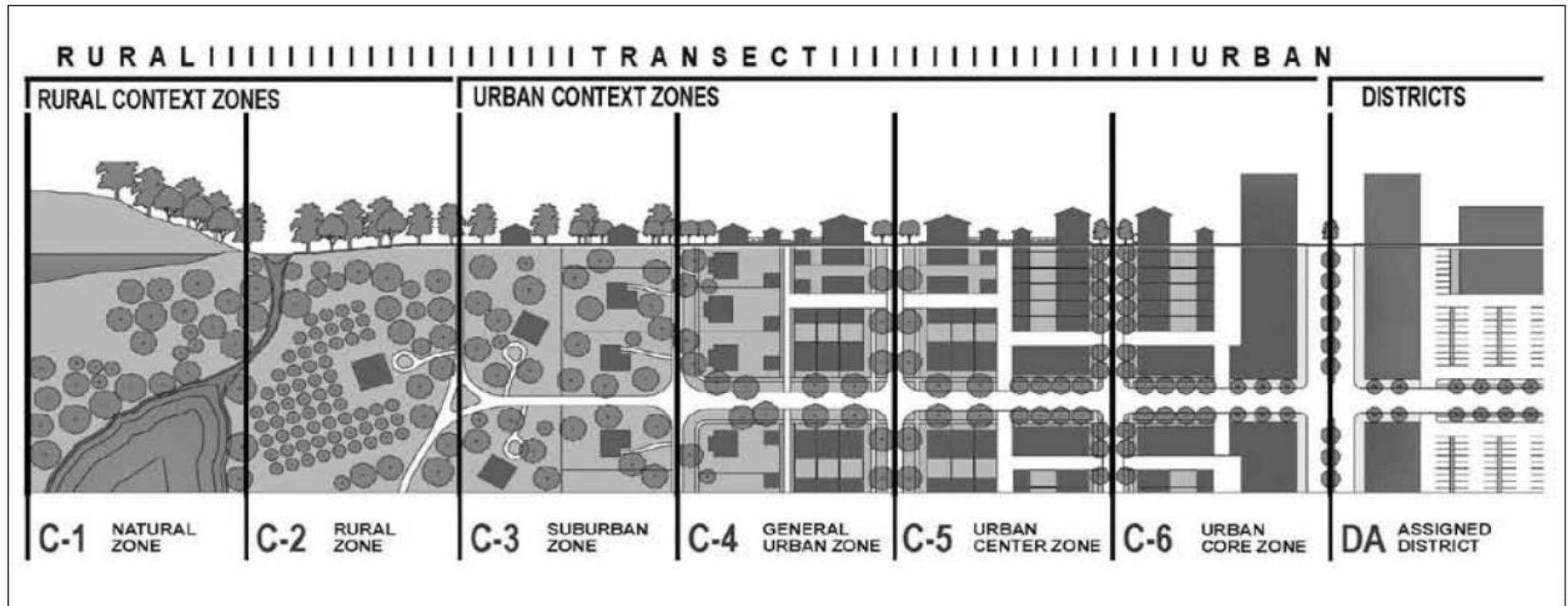


Figure 4.4 Illustration of a gradient of development patterns ranging from rural in Context Zone 1 (C-1), to the most urban in C-6. Source: Duany Plater-Zyberk and Company.

New FDOT Design Manual

- **Incorporates Context-based Design Criteria**
- **Organized as a one volume, three part Manual**
 - **Part 1 – Processes**
 - **Part 2 – Criteria**
 - **Part 3 – Plans Production**
- **3 new chapters, 7 major chapter re-writes, minor revisions to numerous other chapters**
- **Structured and formatted as a web-based document**
- **Posted November 2017 for January 2018 implementation**

Other Initiatives

- **Safety**

- » Intersection lighting projects
- » Innovative intersections
- » Highway Safety Manual

- **Project Management Training**

- » Coming soon

- **Composites**

- » New frontier

- **Water**

- » Regional ponds
- » Co-mingling of water

Let's Try a Poll!

Thank you!